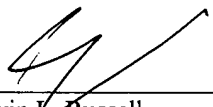




**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service, as first class mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1415, Washington, D.C. 20231, on September 22, 2006.

Dated: September 22, 2006

  
Kevin L. Russell

Atty. Docket No.  
7146.0125

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Baoxin Li

Group Art Unit: 2173

U.S. Pat. App. No.: 10/058,684

Examiner: TBD

Filed: January 28, 2002

Customer No.: 55648

Title: SUMMARIZATION OF SUMO VIDEO CONTENT

**INFORMATION DISCLOSURE STATEMENT**  
**IN ACCORDANCE WITH 37 CFR §1.98**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant submits herewith four sheets of Form PTO-1449 (Modified) listing the patents and non-patent references of which Applicant is aware and which Applicant desires to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(c)(2), this Information Disclosure Statement is being submitted after the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents and

non-patent publications referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

The Examiner is requested to initial Form PTO-1449 and return an acknowledgment copy to the Applicant to confirm that the listed references were received and considered.

This Information Disclosure Statement is being submitted with the requisite fee of \$180.00. The Commissioner is hereby authorized to charge any additional fees, or credit any overpayment, to Deposit Account No. 03-1550.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

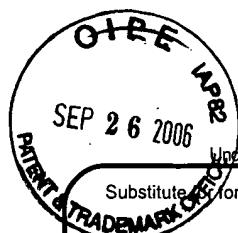
**CHERNOFF, VILHAUER, McCLUNG & STENZEL**

By: \_\_\_\_\_



Kevin L. Russell, Reg. No. 38,292  
1600 ODS Tower  
601 SW Second Avenue  
Portland, OR 97204  
Tel: 503-227-5631  
Fax: 503-228-4373

Dated: September 22, 2006



Substitute Form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

of

## Complete if Known

Application Number	10/058,684
Filing Date	January 28, 2002
First Named Inventor	Baoxin Li
Art Unit	2173
Examiner Name	TBD
Attorney Docket Number	7146.0125

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 4,321,635	03-23-1982	Tsuyuguchi	
		US- 4,520,404	5-28-1985	Von Kohorn	
		US- 4,729,044	03-01-1988	Kiesel	
		US- 4,937,685	06-26-1990	Barker et al.	
		US- 5,027,400	06-25-1991	Baji et al.	
		US- 5,101,364	03-31-1992	Davenport et al.	
		US- 5,148,154	09-15-1992	MacKay, et al.	
		US- 5,200,825	04-06-1993	Perine	
		US- 5,333,091	07-26-1994	Iggulden et al.	
		US- 5,339,393	08-16-1994	Duffy et al.	
		US- 5,424,770	06-13-1995	Schmelzer, et al.	
		US- 5,434,678	12-31-1986	Abecassis	
		US- 5,559,549	9-24-1996	Hendricks, et al.	
		US- 5,589,945	12-31-1996	Abecassis	
		US- 5,600,364	02-04-1997	Hendricks et al.	
		US- 5,600,573	02-04-1997	Hendricks et al.	
		US- 5,610,653	03-11-1997	Abecassis	
		US- 5,634,849	06-03-1997	Abecassis	
		US- D381,991	08-05-1997	Hendricks	
		US- 5,659,350	08-19-1997	Hendricks et al.	
		US- 5,664,046	09-02-1997	Abecassis	
		US- 5,675,752	10-7-1997	Scott et al.	
		US- 5,682,195	10-28-1997	Hendricks et al.	
		US- 5,684,918	11-04-1997	Abecassis	
		US- 5,696,869	12-09-1997	Abecassis	
		US- 5,710,884	01-20-1998	Dedrick	
		US- 5,717,814	02-10-1998	Abecassis	
		US- 5,724,472	03-03-1998	Abecassis	
		US- 5,734,853	03-31-1998	Hendricks et al.	
		US- 5,761,881	06-09-1998	Wall	
		US- 5,774,357	06-30-1998	Hoffberg et al.	
		US- 5,797,001	08-18-1998	Augenbraun, et al.	
		US- 5,798,785	08-25-1998	Hendricks	
		US- 5,861,881	01-19-1999	Freeman et al.	
		US- 5,867,386	02-01-1999	Hoffberg et al.	
		US- 5,875,107	02-23-1999	Hoffberg et al.	
		US- 5,875,108	02-23-1999	Hoffberg et al.	
		US- 5,892,536	04-06-1999	Logan et al.	
		US- 5,900,867	05-04-1999	Schindler et al.	
		US- 5,901,246	05-04-1999	Hoffberg et al.	
		US- 5,903,454	05-11-1999	Hoffberg et al.	
		US- 5,913,013	06-15-1999	Abecassis	
		US- 5,920,477	07-06-1999	Hoffberg et al.	
		US- 5,926,624	07-20-1999	Katz et al.	
		US- 5,933,811	08-19-1999	Angles et al.	
		US- 5,958,006	09-28-1999	Eggleston et al.	
		US- 5,973,683	10-26-1999	Cragun et al.	
		US- 5,986,690	11-16-1990	Hendricks	

	US- 5,986,692	11-16-1999	Logan et al.	
	US- 5,987,211	11-16-1999	Abecassis	
	US- 5,990,927	11-23-1999	Hendricks et al.	
	US- 6,002,833	12-14-1999	Abecassis	
	US- 6,011,895	01-04-2000	Abecassis	
	US- 6,038,367	03-14-2000	Abecassis	
	US- 6,052,554	04-18-2000	Hendricks et al.	
	US- 6,067,401	05-23-2000	Abecassis	
	US- 6,072,934	06-06-2000	Abecassis	
	US- 6,081,750	06-27-2000	Hoffberg et al.	
	US- 6,088,455	07-11-2000	Logan et al.	
	US- 6,091,886	07-18-2000	Abecassis	
	US- 6,151,444	11-21-2000	Abecassis	
	US- 6,160,989	12-12-2000	Hendricks, et al.	
	US- 6,161,142	12-12-2000	Wolfe et al.	
	US- 6,169,542	01-02-2001	Hooks et al.	
	US- 6,181,335	01-30-2001	Hendricks et al.	
	US- 6,195,497	02-27-2001	Nagasaka et al.	
	US- 6,201,536	03-13-2001	Hendricks, et al.	
	US- 6,208,805	03-27-2001	Abecassis	
	US- 6,215,526	04-10-2001	Barton et al.	
	US- 6,216,129	04-10-2001	Eldering	
	US- 6,230,501	05-15-2001	Bailey, Sr., et al.	
	US- 6,233,389	05-15-2001	Barton et al.	
	US- 6,252,544	6-26-2001	Hoffberg	
	US- 6,269,216	07-31-2001	Abecassis	
	US- 6,275,268	08-14-2001	Ellis et al.	
	US- 6,289,165	09-11-2001	Abecassis	
	US- 6,304,715	10-16-2001	Abecassis	
	US- 20020013943	01-31-2002	Haberman et al.	
	US- 20020018594	02-14-2002	Xu et al.	
	US- 20020083473	06-2002	Agnihotri et al.	
	US- 20020120929	08-2002	Schwalb et al.	
	US- 20020184220	12-05-2002	Teraguchi et al.	
	US- 20020194589	12-2002	Cristofalo et al.	
	US- 20030001880	01-2003	Holtz et al.	
	US- 20030026592	02-06-2003	Kawhara et al.	
	US- 20030081937	05-2003	Li	
	US- 6,597,859	07-2003	Leinhart et al.	
	US- 6,665,423	12-16-2003	Mehrotra et al.	
	US- 20040017389	01-2004	Pan et al.	
	US- 20040088289	05-2004	Xu et al.	
	US- 20040125877	07-2004	Chang et al.	
	US- 20040227768	11-18-2004	Bates et al.	
	US- 6,829,781	12-7-2004	Bhagavath et al.	
	US- 6,931,595	08-2005	Pan et al.	
	US- 6,981,129	12-27-2005	Boggs et al.	
	US- 6,993,245	01-31-2006	Harville	
	US- RE36,801	08-01-2000	Logan et al.	
	US- D348,251	06-28-1994	Hendricks	
	US- D354,059	01-03-1995	Hendricks	
	US- D368,263	03-26-1996	Hendricks	
	US- D402,310	12-28-1998	Hendricks	
	US- D435,561	12-26-2000	Pettigrew, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		WO 99/65237	12-16-1999			
		JP 11-032267	02-02-1999			
		JP 11-261908	09-24-1999			
		JP 2000-013755	01-14-2000			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		DANIEL DEMENTHON, BIKRANT KOBLA and DAVID DOERMANN, "Video Summarization by Curve Simplification," ACM Multimedia 1998, Language and Media Processing (LAMP), University of Maryland, College Park, MD 20742-3275, pp. 211-218.	
		Y. KAWAI, et al., "Detection of Replay Scenes in Broadcasted Sports Video by Focusing on Digital Video Effects," IEICE (D-II), Vol. J84-D-II, No. 2, pp. 432-435, February 2001 (in Japanese).	
		RICHARD O. DUDA and PETER E. HART, "Use of the Hough Transformation To Detect Lines and Curves in Pictures," Stanford Research Institute, Menlo Park, California, 1972, Association for Computing Machinery, Inc., pp. 11-15.	
		<a href="http://www.pvi.com">www.pvi.com</a> , at least one year prior to filing.	
		CHUNG-LIN HUANG and CHIH-YU-CHANG, "Video Summarization using Hidden Markov Model," Electrical Engineering Department, National Tsing-Hua University, Hsin-Chu, Taiwan, ROC, 2001 IEEE, pp. 473-477.	
		ALAN E. BELL, "The dynamic digital disk," IEEE Spectrum, October 1999, pp. 28-35.	
		INTERNATIONAL ORGANIZATION FOR STANDARDIZATION, ISO/IEC JTC1/SC29/WG11/N3399, CODING OF MOVING PICTURES AND ASSOCIATED AUDIO, "Visual Working Draft 3.0," June 2000, Geneva.	
		INTERNATIONAL ORGANISATION FOR STANDARDISATION, ISO/IEC JTC1/SC29/WG11/N3398, CODING OF MOVING PICTURES AND ASSOCIATED AUDIO INFORMATION, "MPEG-7 Visual Part of eXperimentation Model Version 6.0," June 2000, Geneva.	
		INTERNATIONAL ORGANIZATION FOR STANDARDIZATION, ISO/IEC JTC 1/SC 29/WG 11/N3410, CODING OF MOVING PICTURES AND AUDIO, "MPEG-7 Multimedia Description Schemes XM (Version 3.0), May 2000, Geneva.	
		INTERNATIONAL ORGANIZATION FOR STANDARDIZATION ISO/IEC JTC 1/SC 29/WG 11/N3411, CODING OF MOVING PICTURES AND AUDIO, "MPEG-7 Multimedia Description Schemes WD (Version 3.0), May 2000, Geneva.	
		INTERNATIONAL ORGANIZATION FOR STANDARDIZATION, ISO/IEC JTC1/SC29/WG11/N3391, CODING OF MOVING PICTURES AND ASSOCIATED AUDIO, "DDL Working Draft 3.0," May 2000., Geneva.	
		INTERNATIONAL ORGANISATION FOR STANDARDISATION, ISO/IEC JTC1/SC29/WG11/N2844, CODING OF MOVING PICTURES AND AUDIO INFORMATION, "MPEG-7 Description Schemes (V0.5)," July 1999, Vancouver.	
		INTERNATIONAL ORGANISATION FOR STANDARDISATION, ISO/IEC JTC1/SC29/WG11/MXXXX, "MPEG-7 Media/Meta DSs upgrade (V02.), October 1999, Melbourne.	
		ISO/IEC JTC 1/SC 29 N3705, "Information Technology – Multimedia Content Description Interface – Part 5: Multimedia Description Schemes," November 17, 2000	
		INTERNATIONAL ORGANIZATION FOR STANDARDIZATION, ISO/IEC JTC 1/SC 29/WG 11/N3966, "Information technology – Multimedia Content Description Interface – part 5: Multimedia Description Schemes, March 12, 2001.	
		"XML Schema Part 1: Structures," W3C Working Draft, May 6, 1999, pp. 1-60.	
		"XML Schema Part 2: Datatypes," World Wide Web Consortium Working Draft, May 6, 1999, pp. 1-37.	
		"A Schema for TV-anytime: Segmentation Metadata AN195," NDS Contribution from MyTV, Copyright NDS Limited 2000, pp.1-27.	
		"A Schema for TV-Anytime Segmentation Metadata AN195r1," myTV project, Copyright NDS Limited 2000, pp. 1-28.	
		CHRISTEL, MICHAEL G., HAUPTMANN, ALEXANDER G., WARMACK, ADRIENNE S., AND CROSBY, SCOTT S., "Adjustable Filmstrips and Skims as Abstractions for a Digital video Library," Computer Science Department, Carnegie Mellon University, Pittsburgh, PA; pp. 1-7.	

		MASUMITSE, KEN AND ECHIGO, TOMIO, "Video summarization Using Reinforcement Learning in Eigenspace; IBM Research, Tokyo Research Laboratory 1623-14, Shimotsuruma, Yamatoshi, Kanagawa, Japan.	
		EICKLER, STEFAN, et al., "Content-Based Video Indexing of TV Broadcast News Using Hidden Markov Models, IEEE International Conference on Acoustics, speech and Signal Processing, Phoenix, AZ, 1999, consisting of four pages.	
		BORECZKY, JOHN S., et al., "A Hidden Markov Model Framework for video Segmentation Using Audio and Image Features, IEEE International conference on Acoustics, speech and Signal Processing, Seattle, WA 1998, consisting of four pages.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*